Carbohydrate Research, 237 (1992) C3–C4
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Anderson, A.N. 249
Aspinall, G.O. 57

Baer, H.H. 145
Betaneli, V.I. 115, 131
Bovin, N.V. 161
Boye, H. 131
Brennan, P.J. 57
Brimacombe, J.S. 289
Buchanan, J.G. 295
Byramova, N.E. 161

Chapelle, S. 23
Chatterjee, D. 57
Chida, N. 185
Clelland, A.P.W. 295
Cruz-Sánchez, S. 283

Defaye, J. 223
Diánez Millán, M.J. 303

Estrada de Oya, M.D. 303

Fernández-Bolaños Guzmán, J. 303
Ferrier, R.J. 79, 87
Furneaux, R.H. 79, 87
Furuno, Y. 185

Gammon, D.W. 57
García, R.C. 283
García Fernández, J.M. 223
García Mendoza, P. 145
Garg, H.G. 319

Hernández Mateo, F. 145

Ikemoto, H. 185
Inoue, Y. 333
Ishiguro, K. 333

Jeffrey, G.A. 45
Johnson, D.A. 313
Johnson, T. 295
Joseph-Nathan, P. 283

Kaiwar, S.P. 195, 203
Kitamura, S. 33
Kobayashi, M. 263
Kochetkov, N.K. 11, 95, 131
Köll, P. 289
Kopf, J. 289
Krishna, N.R. 271
Kristen, H. 131
Kubik, S. 1

Lehmann, J. 177
Lipkind, G.M. 11, 95
Livant, P. 271
Longas, M.O. 319
López-Castro, A. 303

Méndez, R. 283
Miller, I.J. 79, 87
Morf, M. 289

Nehls, I. 211
Nifant'ev, N.E. 11, 95
Noguchi, K. 33

Ogawa, S. 185
Ohya, S. 263
Okuyama, K. 33
Ott, A.Y. 115, 131

Pantaleone, D. 325
Perry, M.B. 249
Philipp, B. 211

Rao, C.P. 195, 203
Rennie, R.A.C. 295
Richards, J.C. 249
Rivoire, B. 57
Rodén, L. 271

Sakurai, M. 333
Santoyo González, F. 145
Sauvage, J.-P. 23
Schmidt-Schuchardt, M. 177
Scollar, M. 325
Severn, W.B. 79, 87
Shashkov, A.S. 11, 95
Skrydstrup, T. 303
Sood, R.K. 57
Steck, J. 177
Steffan, W. 115, 131

Takeo, K. 33
Tovar-Miranda, R. 283
Tuzikov, A.B. 161

Vargas Berenguel, A. 145
Verchère, J.-F. 23
Vogel, C. 115, 131

Wagenknecht, W. 211
Wightman, R.H. 295
Wulff, G. 1

Yalpani, M. 325
Yeon, Y. 45
Yoshie, N. 333

Zimmer, B. 289

Carbohydrate Research, 237 (1992) C5–C7
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acceptors and donors in glycosylation reactions, D-galacturonic acid derivatives as, 115
Alcohols, preparation of trimethylsilyl ethers of, simple procedure, 313
Aminodeoxy derivatives of maltose and maltotriose, strong competitive inhibition of porcine pancreatic alpha-amylase by, 179
Amylose, circular dichroism and ultraviolet spectroscopy of complexes of, 1
Anthracyclines, synthesis of some further C-3 branched 3-amino-2,3,6-trideoxy sugars, related to daunosamine, as potential components for structurally modified, 145
O-Antigen of *Escherichia coli* 0119 lipopolysaccharide, structure of, 249
Aromatic compounds (especially xanthene), isotope studies of the transfer under degradation conditions of the carbon atoms of carbohydrate derivatives into, 87
1-Aryl-(1,2-dideoxy-α-D-glucofurano)[2,1-*d*]imidazolidine-2-selones, synthesis of, 303

1-Bromoglycosyl cyanides, synthesis of glycosidic and 2-deoxyglycosidic ortholactones from, 295

Cellulose nitrite esters, partially and completely substituted, the formation and stability of, in dipolar aprotic solvents containing N_2O_4, 211
Cellulose, the products of the zinc chloride-promoted decomposition in aqueous phenol at 350°C, 79
Chitin, partially *N*-deacetylated produced by lysozyme degradation, a ^{1}H NMR study of a fragment of, 333
Chitosan, unusual susceptibility of, to enzymic hydrolysis, 325
Chromate reduction: reduction of potassium chromate by D-glucose and D-fructose to form Cr(III)–saccharide complexes, 195
Circular dichroism and ultraviolet spectroscopy of complexes of amylose, 1
^{13}C and ^{1}H NMR studies of molybdate complexes of ketoses and aldoses, 23
^{13}C NMR data, computer-assisted analysis of the structure of regular branched polysaccharides containing 2,3-disubstituted rhamnopyranose and mannopyranose residues on the basis of, 11
^{13}C NMR spectra and synthesis of 2,3-di-*O*-glycosyl derivatives of methyl α-L-rhamnopyranoside and methyl α-D-mannopyranoside, 95
Computer-assisted analysis of the structure of regular branched polysaccharides containing 2,3-disubstituted rhamnopyranose and mannopyranose residues on the basis of ^{13}C NMR data, 11
Conformation, unexpected, of L-*galacto*-D-*galacto*-decitol in the crystalline form, 289
Cr(III)–saccharide complexes, chromate reduction: reduction of potassium chromate by D-glucose and D-fructose to form, 195
Crystal structure of methyl 3-*O*-β-D-glucopyranosyl-β-D-glucopyranoside (methyl β-D-laminarabioside) monohydrate, 33
Crystal structure of 1-*p*-bromophenyl-(1,2-dideoxy-α-D-glucofurano)[2,1-*d*]imidazolidine-2-selone, 303
Cyclodextrin glucanotransferase and Taka-amylase A, action on dialdehyde cyclodextrins and their reduced forms, 263
Cyclodextrins, periodate-oxidized, and their reduced forms, action of Taka-amylase A and cyclodextrin glucanotransferase on, 263

Daunosamine, as potential components for structurally modified anthracyclines, synthesis of some further C-3 branched 3-amino-2,3,6-trideoxy sugars, 145
Decitol, L-*galacto*-D-*galacto*-, conformation in the crystalline form of, 289
1-Deoxynojirimycin and (+) and (−)-nojirimycin, synthesis from *myo*-inositol of (+)- and (−)-, 185
Dermatan sulfate, sulfate composition of, from scar tissue, 319
Disaccharide β-D-galactopyranosyluronic acid (1

→ 3)-L-rhamnose repeating unit heteropolyuronan containing, synthesis of, 131

Enzymic hydrolysis, unusual susceptibility of chitosan to, 325
Esters, cellulose nitrite, partially and completely substituted, the formation and stability of, in dipolar aprotic solvents containing N_2O_4, 211

β-D-Glucopyranoside, methyl 3-*O*-β-D-glucopyranosyl- (methyl β-D-laminarabioside), crystal structure of, 33
α-D-Glucopyranosyl α-D-glucopyranoside, ^1H and ^{13}C NMR study of nonsymmetrical *O*-pivaloyl derivatives of, 283
D-Glucose, soluble complexes of early first-row transition metal ions with, 203
Glycopeptidolipid antigens of serovars 25 and 26 of the *Mycobacterium avium* serocomplex, structures, synthesis of allyl glycosides of outer disaccharide units and serology of the derived neoglycoproteins, 57
Glycosidic and 2-deoxyglycosidic ortholactones, synthesis from 1-bromoglycosyl cyanides, 295
Glycosyl derivatives of methyl α-L-rhamnopyranoside and methyl α-D-mannopyranoside, synthesis and ^{13}C NMR spectra of 2,3-di-*O*-, 95
Glycosylfructoses, selective protonic activation of isomeric, with pyridinium poly(hydrogen fluoride), and syntheses of spirodioxanyl oligosaccharides, 223

Heteropolyuronan derivative containing the D-galactopyranosyluronic acid (1 → 3)-L-rhamnose disaccharide repeating unit, synthesis of, 131
^1H NMR study of a fragment of partially *N*-deacetylated chitin produced by lysozyme degradation, 333
Hyaluronic acid, NMR studies of a tetrasaccharide from, 271

Imidazolidine-2-selones, synthesis of 1-aryl-(1,2-dideoxy-α-D-glucofurano)[2,1-*d*]-, 303
Inhibition of porcine alpha-amylase by aminodeoxy derivatives of maltose and maltotriose, strong competitive, 179
myo-Inositol, synthesis of (+) and (−)-nojirimycin and their 1-deoxy derivatives from, 185
Isotope studies of the transfer of the carbon atoms of carbohydrate derivatives into aromatic compounds (especially xanthene) under degradation conditions, 87

Lipopolysaccharide, 0119, structure of O-antigen of *Escherichia coli*, 249
Lysozyme degradation, a ^1H NMR study of a fragment of partially *N*-deacetylated chitin produced by, 333

Maltose and maltotriose, strong competitive inhibition of porcine pancreatic alpha-amylase by aminodeoxy derivatives of, 177
Metal ions, early first-row transition, soluble complexes of with D-glucose, 203
Methyl 3-*O*-β-D-glucopyranosyl-β-D-glucopyranoside (methyl β-D-laminarabioside), crystal structure of, 33
Methyl α-L-rhamnopyranoside and methyl α-D-mannopyranoside, synthesis and ^{13}C NMR spectra of 2,3-di-*O*-glycosyl derivatives of, 95
Methyl and benzyl glycosides of Neu5Ac and 4-*epi*-Neu5Ac, a simple procedure for the synthesis of the, 161
Molybdate complexes of ketoses and aldoses, 23
Mycobacterium avium serocomplex, structures of the glycopeptidolipid antigens of serovars 25 and 26, synthesis of allyl glycosides of outer disaccharide units and serolgy of the derived neoglycoproteins, 57

Neoglycoproteins related to the glycopeptidolipid antigens of serovars 25 and 26 of the *Mycobacterium avium* serocomplex, synthesis, 57
Neu5Ac and 4-*epi*-Neu5Ac, a simple procedure for the synthesis of the methyl and benzyl glycosides of, 161
Nojirimycin and 1-deoxy derivatives, synthesis from *myo*-inositol of (+)- and (−)-, 185
Nuclear magnetic resonance studies of hyaluronic acid, 271

n-Octyl α,β-D-glucopyranoside, 1:1 complex, crystal structure at 123 K, 45
Oligosaccharides, spirodioxanyl, syntheses of, and selective protonic activation of isomeric glycosylfructoses with pyridinium poly(hydrogen fluoride), 223
Ortholactones, synthesis of glycosidic and 2-deoxyglycosidic, from 1-bromoglycosyl cyanides, 295

O-Pivaloyl nonsymmetrical derivatives of α,α-trehalose, ^1H and ^{13}C NMR study of, 283
Polysaccharides containing 2,3-disubstituted rhamnopyranose and mannopyranose residues, computer-assisted analysis (on the basis of ^{13}C NMR data) of the structure of regular branched, 11

Pyridinium poly(hydrogen fluoride), selective protonic activation of isomeric glycosylfructoses with, and syntheses of spirodioxanyl oligosaccharides, 223

Scar tissue, sulfate composition of dermatan sulfate from, 319

Solvents, dipolar aprotic containing N_2O_4, the formation and stability of partially and completely substituted cellulose nitrite esters in, 211

Sulfate composition of dermatan sulfate from scar tissue, 319

Synthesis of some further C-3 branched 3-amino-2,3,6-trideoxy sugars, related to daunosamine, as potential components for structurally modified anthracyclines, 145

Taka-amylase A and cyclodextrin glucanotransferase, action on dialdehyde cyclodextrins and their reduced forms, 263

Tetrasaccharide from hyaluronic acid, NMR studies of, 271

Transfer of the carbon atoms of carbohydrate derivatives into aromatic compounds (especially xanthene) under degradation conditions, isotope studies of the, 87

α,α-Trehalose derivatives, nonsymmetrical, ^1H and ^{13}C NMR study of, 271

N-Trifluoroacetylneuraminic acid benzyl glycosides, conversion of the benzyl and methyl glycosides of Neu5Ac into, 161

Trimethylsilyl ethers of carbohydrates and alcohols, simple procedure for the preparation of, 313

Ultraviolet spectroscopy and circular dichroism of complexes of amylose, 1

Zinc chloride-promoted decomposition of cellulose in aqueous phenol at 350°C, the products of the, 79